

Safe Fleet Duet™ AI

AI-Based Driver Behavior Monitoring System



Deter distracted driving, prevent accidents and exonerate your drivers with real evidence



AI Powered Driver Camera

Detects, records, and alerts driver to fatigue/drowsiness, distracted driving, hand use (phone/cigarette), harsh accelerations, braking and cornering



Real-Time Capabilities

Uses real-time alerts, and driver-scoring capabilities to support training, boost productivity, coaching, and safe-driving initiatives



Multi-Level Privacy Option

Driver camera video privacy options include disabling live video streaming or media capture, without missing any relevant event



Facial Recognition Software

Automatically identifies drivers and tags them to their routes and vehicles



Roadway Camera

Captures road view when activated by driver alerts for critical context, providing deeper event reconstruction insight



Cloud Storage

Event video and metadata auto-upload to the cloud in real-time and can be used to exonerate drivers



Driver Event Button

Creates an on-demand event recording for emergency or unexpected driving situations



Location and Video Streaming

Track live location from active devices and optionally stream video from front and rear cameras

Safe Fleet Duet™ AI

AI-Based Driver Behavior Monitoring System

The Duet™ AI is a Driver Behavior Monitoring System comprised of dual-dash cameras and a Cloud portal. The system features advanced Driver Assistance (ADAS) and Driver Monitoring (DMS) systems to help your drivers achieve consistent, best driving behaviors for increased fleet safety. The inward-facing AI-powered camera automatically records based on specific driver actions, while the outward-facing camera captures road activity. Detectable events such as fatigue, distraction, STOP sign and red-light violations, phone use, and harsh maneuvers trigger audible alerts.

Event video from both cameras is automatically transferred to the cloud for immediate notification and review by back-office personnel. Additional cloud capabilities include real-time video streaming, driver identity detection, current and historic vehicle location with route maps, as well as reports on fleet safety and drivers coaching.



Specifications	
Platform	Qualcomm® Snapdragon™ SDM450 Octa core, 1.8GHz
OS	Android™ 9.0
Memory	2GB RAM / 16GB internal storage
Expansion	MicroSD slot (up to 256GB support)
Wireless Interface	IEEE 802.11 a/b/g/n/ac (2.4GHz & 5GHz), Bluetooth® 4.2 BLE LTE Cat.6 (3G/2G fallback, carrier dependent) GPS, QZSS, GLONASS, Galileo
Sensors	3-axis Accelerometer, 3-axis Gyro, Thermal Sensor
Outward camera	3.15mm FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps
Inward camera	3.0mm FOV: D: 142° / H: 116° / V: 60° (±5%) Full HD 1920 x 1080 @ 30fps
Physical Interface	MicroSD slot (up to 256GB capacity), NanoSIM slot (SIM 1), Mini USB x1 (for service), Built-in speaker x1
Power Input	12VDC Min to 32VDC Max Main Power Input Ignition (ACC) signal input (Active High @ 7VDC to 32V)
Driver Event Button	Yes
Power Consumption	Full run mode: 5W (12V/420mA), Parking mode: 50mW (12V/4.2mA)
Boot Up Time	Cold boot: 45s; Resume from parking mode and start recording: 2s
Parking Mode	Yes, when ignition (ACC) signal not present
Operating Temperature	-20° to +60°C (-4° to +140°F) operating temperature
Storage Temperature	-30° to +85°C (-22° to +185°F)
Certification	CE/CB, FCC/IC, RCM, BQB, ROHS, WEEE
Weight	158g (5.6oz)
Triggers	Event Button, Speed, Acceleration, Detectable Driver Actions
Dimensions	122.8 x 61.2 x 44.2mm (4.83 x 2.41 x 1.74")
GSM	850/900/1800/1900MHz

The Safe Fleet Duet AI™ system is a driver assistance tool, not a replacement for safe driving. Each driver is responsible for complying with applicable laws, maintaining control of their vehicle, and taking appropriate action during vehicle operation. The Safe Fleet Duet AI™ system cannot compensate for driver distraction, fatigue, or impairment. Each customer is responsible for compliance with the applicable laws and regulations governing use of dashboard camera systems, including the Safe Fleet Duet AI™ system.

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